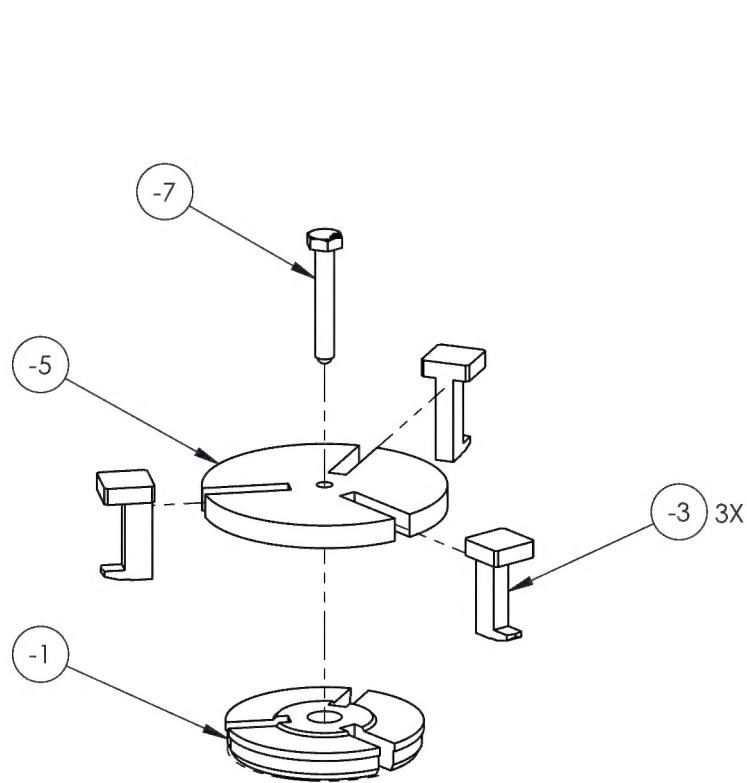


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		RELEASED FOR PRODUCTION.	8/30/2016	DPD	JAG



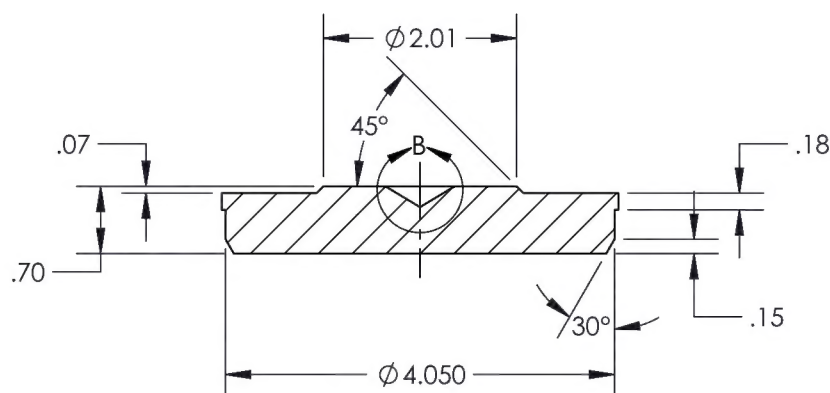
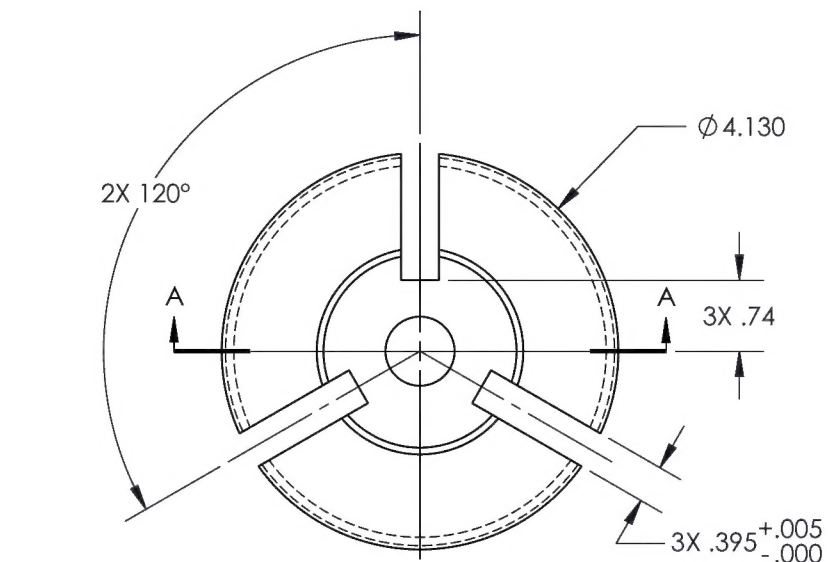
NOTE:
REF. EUROCOPTER T/N: 1X53-183-111.

DART AEROSPACE																									
TITLE REMOVAL TOOL (6 PCS.)																									
DWG NO. RBE1X53-183-111	REV 1																								
<table border="1"> <tr> <td>MAT'L</td> <td>UNLESS OTHERWISE SPECIFIED</td> </tr> <tr> <td>HEAT TREAT</td> <td>DIMENSIONS ARE IN INCHES</td> </tr> <tr> <td>FINISH</td> <td>.XXX ± .005 FRACTIONS ± 1/8</td> </tr> <tr> <td></td> <td>.XX ± .01 ANGLES ± 5°</td> </tr> <tr> <td></td> <td>.X ± .1 SURFACES = 125°</td> </tr> <tr> <td>SPEC</td> <td>1. BREAK ALL SHARP EDGES .015 x 45° OR .015R</td> </tr> <tr> <td>DRAWN BY: DUERFELDT</td> <td>2. DIMENSIONAL LIMITS APPLY</td> </tr> <tr> <td>CHECKED: CLOUGH</td> <td>AFTER PLATING</td> </tr> <tr> <td>OPPS APPR: ANDERSON</td> <td>3. INTERPRET DIM AND TOL PER</td> </tr> <tr> <td>QA APPR: LINDSAY</td> <td>ASME Y14.5M-2009</td> </tr> <tr> <td>APPROVED: GILBERT</td> <td>USED ON MODEL</td> </tr> <tr> <td></td> <td>EC145</td> </tr> </table>		MAT'L	UNLESS OTHERWISE SPECIFIED	HEAT TREAT	DIMENSIONS ARE IN INCHES	FINISH	.XXX ± .005 FRACTIONS ± 1/8		.XX ± .01 ANGLES ± 5°		.X ± .1 SURFACES = 125°	SPEC	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	DRAWN BY: DUERFELDT	2. DIMENSIONAL LIMITS APPLY	CHECKED: CLOUGH	AFTER PLATING	OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER	QA APPR: LINDSAY	ASME Y14.5M-2009	APPROVED: GILBERT	USED ON MODEL		EC145
MAT'L	UNLESS OTHERWISE SPECIFIED																								
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DRAWN BY: DUERFELDT	2. DIMENSIONAL LIMITS APPLY																								
CHECKED: CLOUGH	AFTER PLATING																								
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER																								
QA APPR: LINDSAY	ASME Y14.5M-2009																								
APPROVED: GILBERT	USED ON MODEL																								
	EC145																								
SCALE 1:4	DATE 7/11/2016																								
SHEET 1 OF 5																									

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	1	FLANGED PLATE	4140/4142		2
			-3	3	JAW	4140/4142		3
			-5	1	BOLT PLATE	4140/4142		4
			-7	1	HEX HEAD CAP SCREW	STEEL	M10 X 1.5mm X 70mm, CLASS 10.9 (MCMaster-CARR #91310A137) MODIFIED	5

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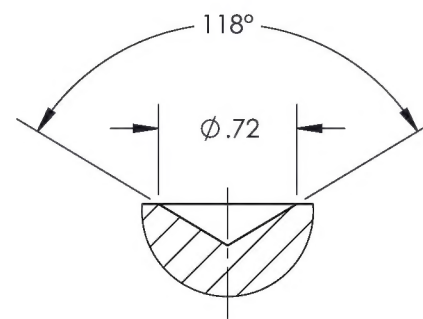
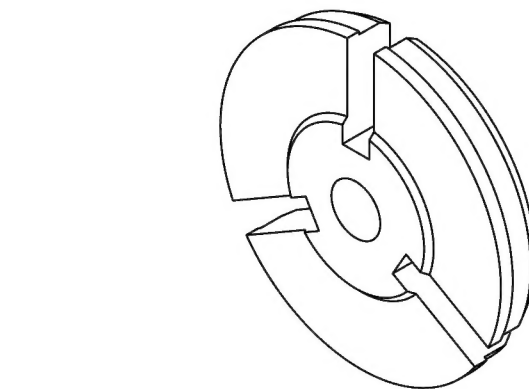
REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL



SECTION A-A

(1)

FLANGED PLATE

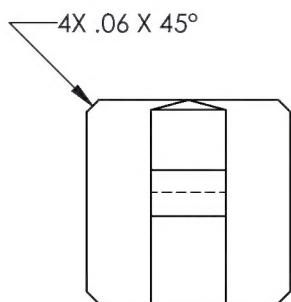
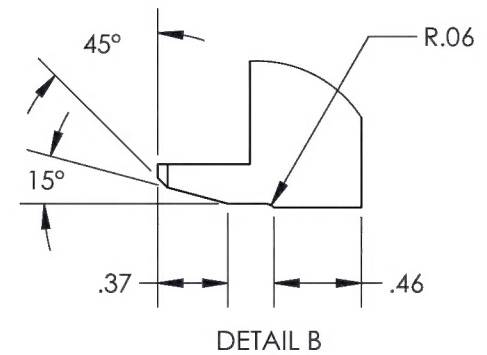
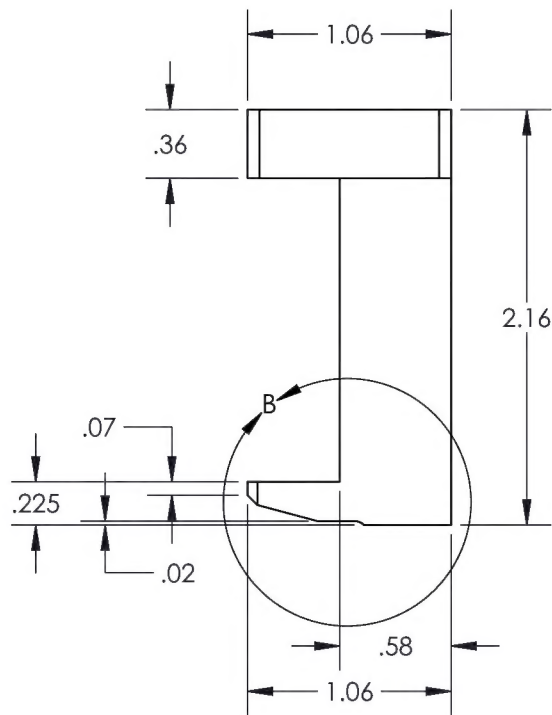
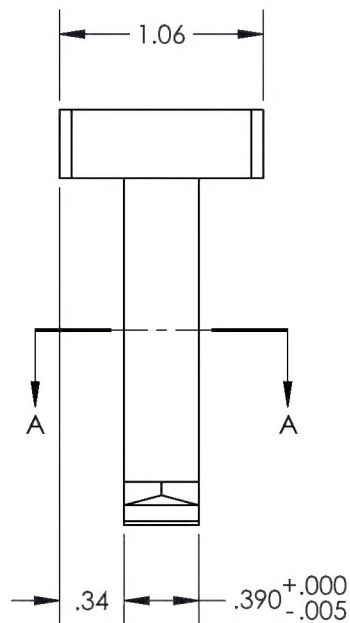
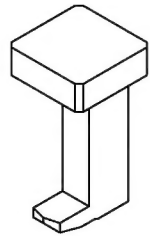
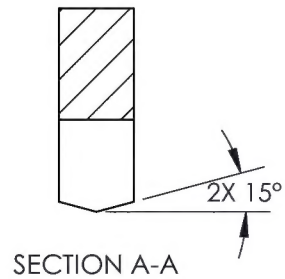


DETAIL B
SCALE 1 : 1

DART AEROSPACE	
TITLE REMOVAL TOOL (6 PCS.)	
DWG NO. RBE1X53-183-111-1	REV 1
MAT'L 4140/4142 HEAT RC 40-46 TREAT FINISH BLACK OXIDE SPEC QMSI-6.2.2, B.O. REV D	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX \pm .005 FRACTIONS \pm 1/8 .XX \pm .01 ANGLES \pm 5° .X \pm .1 SURFACES = 125°	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: DUERFELDT CHECKED: CLOUGH OPPTS APPR: ANDERSON QA APPR: LINDSAY APPROVED: GILBERT	
USED ON MODEL EC145	
SCALE 1:2	DATE 7/11/2016
SHEET 2 OF 5	

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				APPROVED



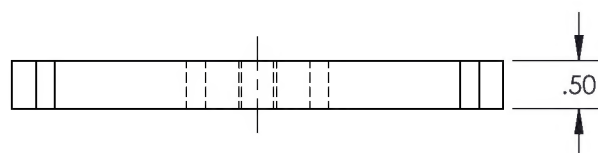
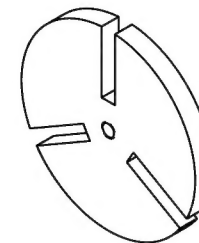
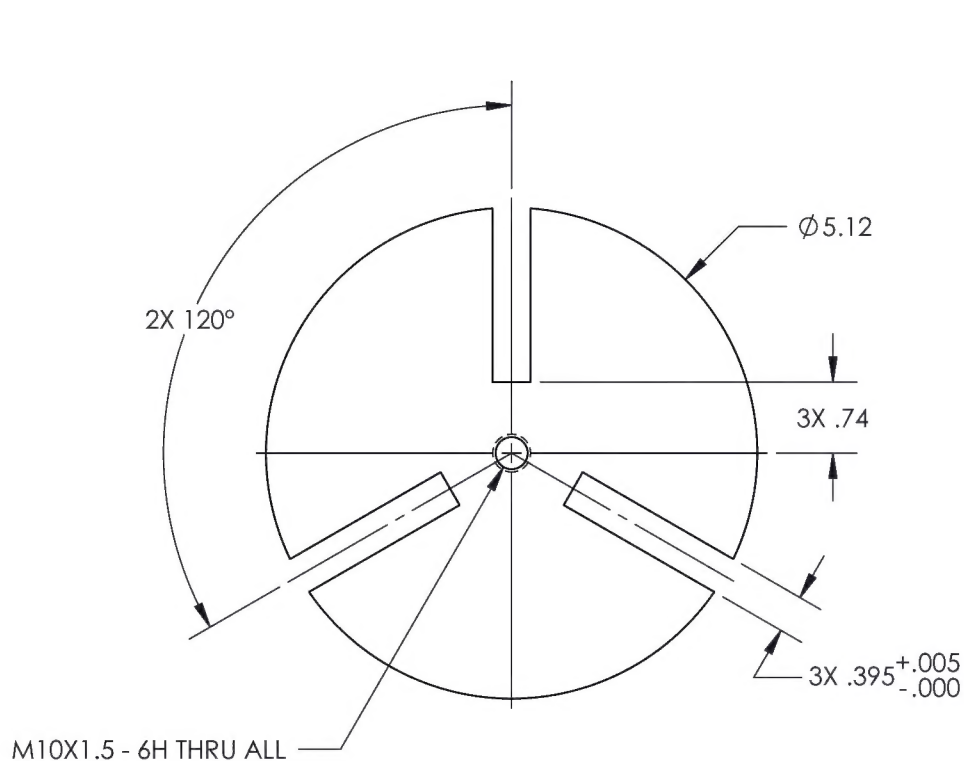
(-3)

JAW

DART AEROSPACE	
TITLE REMOVAL TOOL (6 PCS.)	
DWG NO. RBE1X53-183-111-3	REV 1
MAT'L 4140/4142 HEAT TREAT RC 40-46 FINISH BLACK OXIDE SPEC QMSI-6.2.2, B.O. REV D	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125° ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: DUERFELDT	USED ON MODEL EC145
CHECKED: CLOUGH	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 1:1	DATE 7/11/2016
SHEET 3 OF 5	

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REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED

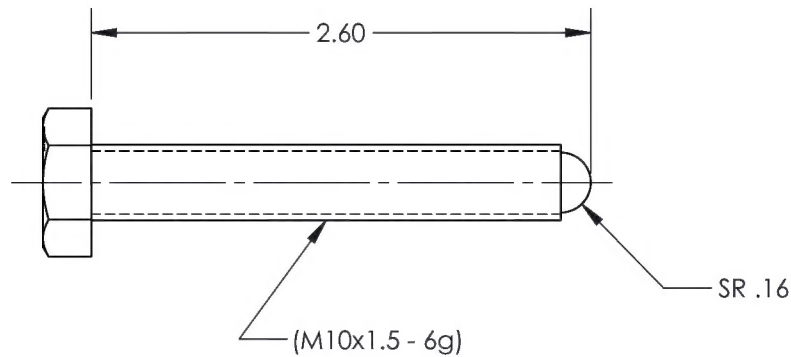
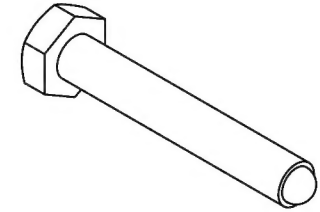


(-5)
BOLT PLATE

DART AEROSPACE	
TITLE REMOVAL TOOL (6 PCS.)	
DWG NO. RBE1X53-183-111-5	REV 1
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED
HEAT RC 40-46	DIMENSIONS ARE IN INCHES
TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH BLACK OXIDE	.XX ± .01 ANGLES ± 5°
SPEC QMSI-6.2.2, B.O. REV D	.X ± .1 SURFACES = 125° ✓
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: CLOUGH	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
SCALE 1:2	DATE 7/11/2016
	SHEET 4 OF 5

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



⑦

HEX HEAD CAP SCREW

DART AEROSPACE	
TITLE REMOVAL TOOL (6 PCS.)	
DWG NO. RBE1X53-183-111-7	REV 1
MAT'L STEEL	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH BLACK OXIDE	.XXX ± .005 FRACTIONS ± 1/8
SPEC QMSI-6.2.2, B.O. REV D	.XX ± .01 ANGLES ± 5°
DRAWN BY: DUERFELDT	.X ± .1 SURFACES = 125
CHECKED: CLOUGH	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED: GILBERT	AFTER PLATING
SCALE 1:1	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 7/11/2016	USED ON MODEL
SHEET 5 OF 5	EC145